

Identities = 142/305 (46%), Positives = 194/305 (63%)

CON167: 6 NQSYTDGFFLLGIFSHSQTDLVLFSAVMVFTVALCGNVLLIFLIYLDAGLHTPMYFFLS 65
 NQS T GF LLG H LF V+ + + L GN L+I L LD LH+PMYFFLS
 FAT11 : 3 NQSSTPGFFLLGFSEHPGLGRTLFVDVITSYLLTLVGNTLIILLSALDTKLHSPMYFFLS 62

CON167: 66 QLSLMDLMLVCNIVPKMAANFLSGRKSISFVGCGIQIGFFVSLVGSEGLLLGLMAYDHYV 125
 LS +DL + VP+M AN +K+ISF+ C +QI F+SL +E +L+ +MA+D YV
 FAT11 : 63 NLSFLDLCTTSCVPQMLANLWGPCKTISFLDCSVQIFIFLSLGTTECILMKVMAFDYV 122

CON167: 126 AVSHPLHYPIILMNQVRVCLQITGSSWAFGIIDGVIQMVAAAMGLPYCGSRSDVHFFCEVQAL 185
 AV PLHY +++ R+C Q+ +W G++ V+Q + + LP+C R VD F CEV AL
 FAT11 : 123 AVCQPLHYATIIHPRLCWQLASVAWVIGLVGVVQTPSTLHLPFCPDRQVDDFVCEVPAL 182

CON167: 186 LKLACADTSLFDTLLEFACCVFMLLLPFSIIMASYACILGAVLRIRSAQAWKKALATCSSH 245
 ++L+C DTS + + VF+L++P S+I+ SY I AVLRI SA AW+KA TCSSH
 FAT11 : 183 IRLSCEDTSYNEIQAVASVFILVPLSLILVSYGAITWAVLRINSATAWRKAFGTCSH 242

CON167: 246 LTAVTLFYGAAMFMYLRPRRYRAPSHDKVASIFYTTLTPMLNPLIYSLRNGEVMGALRKG 305
 LT VTLEFY + + +YL+P+ A K +FY V TP LNPL+Y+LRN E+ ALR+
 FAT11 : 243 LTVVTLFYSSVIAVYLQPKNPYAQGRGKFFGLFYAVGTGPSLNPLVYTLRNKEIKRALRRL 302

CON167: 306 LDRCR 310
 L + R
 FAT11 : 303 LGKER 307

FIG. 1

CON167: 65 SQLSLMDLMLVCNIVPKMAANFLSGRKSISFVGCQIQIGFFVSLVGSEGLLLGLMAYDHY 124
 SQLSLMDLMLVCNIVPKMA NFLSGRKSISF GCGIQIGFFVSLVGSEGLLLGLMAYD Y
 mur G7: 1 SQLSLMDLMLVCNIVPKMAVNFLSGRKSISFAGCGIQIGFFVSLVGSEGLLLGLMAYDRY 60

CON167: 125 VAVSHPLHYPIILMNQVRVCLQITGSSWAFGIIDGVIQMVAAMGLPYCGSRSDHFFCEVQA 184
 VA+SHPLHYPIILM+Q+VCLQI GSSWAFGI+DG+IQMVAAM LPYCGSR +DHFFCEV A
 mur G7: 61 VAISHPLHYPIILMSQKVCLQIAGSSWAFGILDGIIQMVAAMSLPYCGSRYIDHFFCEVPA 120

CON167: 185 LLKLACADTSLFDTLLEFACCVFMLLLPFSIIMASYACILGAVLRIRSAQAWKKALATCSS 244
 LLKLACADTSLFDTLLEFACCVFMLLLPFSII+ SYA ILGAVLR+ SAQ+ KKALATCSS
 mur G7: 121 LLKLACADTSLFDTLLEFACCVFMLLLPFSIIVTSYARILGAVLRMHSAQSRKKALATCSS 180

CON167: 245 HLTAVTLFYGAAMFYLRPRRYRAPSHDKVASIFYTVLTPMLN 287
 HLTAV+LFYGAAMF+YLRPRRYRAPSHDKV SIFYTVLTPMLN
 mur G7: 181 HLTAVSLFYGAAMFYLRPRRYRAPSHDKVVSIFYTVLTPMLN 223

FIG. 2